

CLAIMS

I claim:

1 1. A wireless alarm system comprising:
2 a master control unit;
3 at least one slave unit; and
4 at least one remote unit,
5 wherein the wireless alarm system protects a cargo area of
6 a truck and any containers therein.

1 2. The wireless alarm system according to claim 1, wherein
2 said master control unit comprises:
3 at least one control button;
4 at least one visual indicator;
5 at least one audible indicator;
6 at least one input/output connector;
7 a transceiver;
8 a processor;
9 a memory;
10 an antenna; and
11 a communication bus to communicatively interconnect the at
12 least one control button, the at least one visual indicator, the

13 at least one audible indicator, the at least one input/output
14 connector, the transceiver, the processing unit, the memory, and
15 the antenna of said master control unit.

1 3. The wireless alarm system according to claim 2, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 causes the processor to carry out steps comprising:

5 assigning a predetermined wireless frequency to said master
6 control unit;

7 preventing said wireless alarm system to be turned off by
8 anyone except an authorized user; and

9 removing control from an authorized user of said master
10 control unit.

1 4. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:

5 activating at least one of said at least one visual
6 indicator if tampering occurs with said at least one of said at
7 least one slave unit.

1 5. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:

5 activating at least one of said at least one audible
6 indicator if tampering occurs with at least one of said at least
7 one slave unit.

1 6. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:

5 activating at least one of said at least one visual
6 indicator if at least one of said at least one slave unit has
7 been preset with a predetermined frequency of said master
8 control unit wireless, communication between said master control
9 unit and said at least one of said at least one slave unit has
10 been established, and any disruption of wireless communication
11 occurs between said master control unit and said at least one of
12 said at least one slave unit occurs.

1 7. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:
5 activating at least one of said at least one audible
6 indicator if at least one of said at least one slave unit has
7 been preset with a predetermined frequency of said master
8 control unit wireless, communication between said master control
9 unit and said at least one of said at least one slave unit has
10 been established, and any disruption of wireless communication
11 occurs between said master control unit and said at least one of
12 said at least one slave unit occurs.

1 8. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:
5 activating at least one of said at least one visual
6 indicator if a door is opened in a cargo area of a vehicle
7 wherein said master control unit resides.

1 9. The wireless alarm system according to claim 3, wherein
2 the memory carries therein computer useable software code which,
3 when executed by the processor of the master control unit,
4 further causes the processor to carry out steps comprising:

5 activating at least one of said at least one audible
6 indicator if a door is opened in a cargo area of a vehicle
7 wherein said master control unit resides.

1 10. The wireless alarm system according to claim 3,
2 wherein the memory carries therein computer useable software
3 code which, when executed by the processor of the master control
4 unit, further causes the processor to carry out steps
5 comprising:

6 activating at least one of said at least one visual
7 indicator on said master control unit if a user forgets to turn
8 off the wireless alarm system before unhooking and removing a
9 trailer from a truck cab.

1 11. The wireless alarm system according to claim 3,
2 wherein the memory carries therein computer useable software
3 code which, when executed by the processor of the master control
4 unit, further causes the processor to carry out steps
5 comprising:

6 activating at least one of said at least one audible
7 indicator on said master control unit if a user forgets to turn
8 off the wireless alarm system before unhooking and removing a
9 trailer from a truck cab.

1 12. The wireless alarm system according to claim 3,
2 wherein the memory carries therein computer useable software
3 code which, when executed by the processor of the master control
4 unit, causes the processor to carry out steps comprising:

5 activating at least one of said at least one visual
6 indicator if separation between a cargo area of a vehicle and a
7 cab of the vehicle, within which said master control unit
8 resides, exceeds a predetermined distance threshold.

1 13. The wireless alarm system according to claim 3,
2 wherein the memory carries therein computer useable software
3 code which, when executed by the processor of the master control
4 unit, causes the processor to carry out steps comprising:

5 activating at least one of said at least one audible
6 indicator if separation between a cargo area of a vehicle and a
7 cab of the vehicle, within which said master control unit
8 resides, exceeds a predetermined distance threshold.

1 14. The wireless alarm system according to claim 3,
2 wherein the wireless alarm system further comprises a reset
3 button interconnected with said master control unit, and the
4 memory carries therein computer useable software code which,
5 when executed by the processor of the master control unit,
6 further causes the processor to carry out steps comprising:

7 resetting at least one of said at least one visual
8 indicator of said master control unit upon depression of the
9 reset button.

1 15. The wireless alarm system according to claim 3;
2 wherein the wireless alarm system further comprises a reset
3 button interconnected with said master control unit, and the
4 memory carries therein computer useable software code which,
5 when executed by the processor of the master control unit,
6 further causes the processor to carry out steps comprising:

7 resetting at least one of said at least one audible
8 indicator of said master control unit upon depression of the
9 reset button.

1 16. The wireless alarm system according to claim 3,
2 wherein the wireless alarm system further comprises a reset
3 button interconnected with said master control unit, and the
4 memory carries therein computer useable software code which,
5 when executed by the processor of the master control unit,
6 further causes the processor to carry out steps comprising:

7 initiating a reset function of said master control unit
8 upon depression of the reset button.

1 17. The wireless alarm system according to claim 3,
2 wherein the memory carries therein computer useable software
3 code which, when executed by the processor of the master control
4 unit, further causes the processor to carry out steps
5 comprising:

6 bypassing at least one of said at least one audible
7 indicator to allow door opening of a cargo area of a vehicle
8 wherein said master control resides; and

9 illuminating at least one visual indicator to inform a user
10 that said at least one audible indicator of said master control
11 unit has been bypassed and requires resetting.

1 18. The wireless alarm system according to claim 1,
2 wherein said at least one slave unit comprises:

3 at least one visual indicator;
4 a lock;
5 at least one input/output connector;
6 a power source;
7 a transceiver;
8 a processor;
9 a memory;
10 an antenna; and

11 a communication bus to communicatively interconnect the at
12 least one visual indicator, the lock, the at least one
13 input/output connector, the power source, the transceiver, the
14 processor, the memory, and the antenna of the slave unit.

1 19. The wireless alarm system according to claim 1,
2 wherein said at least one remote unit comprises:

3 at least one visual indicator;
4 at least one audible indicator;
5 a transceiver;
6 a power source;
7 a processor;
8 at least one memory device;
9 an antenna; and

10 a communication bus to communicatively interconnect the at
11 least one visual indicator, the at least one audible indicator,
12 the transceiver, the power source, the processor, the at least
13 one memory device, and the antenna of the remote unit.